E
$A \subset$
E
$open$
seg-
$ment$
$\{(1-\lambda)a+\lambda b : \lambda \in (0,1)\}, a \neq b \in A$

$\lambda \notin$
$\{0,1\}$
$x_0 \in$
A
ex-
$treme$
$point$
A
A
$\exists \lambda \in$
$[0,1]:$
$x_0 =$
$(1-$
$\lambda)a+$
$\lambda b) x_0 =$
$aorx_0 =$
b
$B \subset$
A
ex-
$treme$
sub-
set
A
$a, b \in$
A
$\exists \lambda \in$
$(0,1):$
$(1-$
$\lambda)a+$
$\lambda b \in$
$B)\{a,b\} \subset$
B
A
E
$A \subset$
E
$f \in$
E'
E
$\beta =$
$\inf_{x \in A} f(x)$
$B =$
$A \cap$
$f^{-1}(\beta)$
A
A
f
$f(A)$
$\beta \in$
$f(A)$
$\beta =$
$f(a)$
$a \in$
A
B
f
$\{\beta\}$
$f^{-1}(\{\beta\})$
B
A
B
B
$(1-$
$\lambda)a+$
$\lambda b \in$
B
$a, b \in$
A
$\lambda \in$
$(0,1)$
$a \notin$
B
$f(a) >$
β
B
$f((1-\lambda)a+\lambda b) = (1-\lambda)f(a)+\lambda f(b) > (1-\lambda)\beta+\lambda\beta = \beta$

$(1-$
$\lambda)a+$
$\lambda b \in$
B
d
´e
$x \in$
$(P) \subset^d$
P
$d+$